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S rial No. Form PTO-1449 (modified) Atty. Docket No. UTSD:548/HYL 09/061,417 List of Patents and Publications for Applicant's **Applicants** Eric N. Olson, Stephen R. Grant and EXEMATION DISCLOSURE STATEMENT Jeffery D. Molkentin Filing Date: Group: (Use several sheets if necessary) April 16, 1998 1632 Other Art **Patent Documents** Foreign Patent Documents

U.S. Patent Documents

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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
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Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
•				•			

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
Mei	C1	Botinelli et al., "A mutant tropomyosin that causes hypertrophic cardiomyopathy is expressed in vivo and associated with an increased calcium sensitivity," Circ. Res., 82:106-115, 1997.
	C2	Bustamante et al., "Stretch-activated channels in heart cells: relevance to cardiac hypertrophy," J. Cardiovasc. Pharmacol, 17(Suppl. 2):S110-113, 1991.
	C3	Chien et al., "Transcriptional regulation during cardiac growth and development," Annu. Rev. Physiol. 55, 77-95, 1993.
	C4	Dolmetsch et al., "Differential activation of transcription factors induced by ca ²⁺ response amplitude and duration," <i>Nature</i> , 386:855-858, 1997.
	C5	Evans, "Regulation of cardiac gene expression by GATA-4/5/6," Trends in Cardiovasc. Med., 7(3):75-83, 1997.
	C6	Grepin et al., "A hormone-encoding gene identifies a pathway for cardiac but not skeletal muscle gene transcription" Mol. Cell. Biol., 14(5):3115-3129, 1994.
J	C7	Gruver et al., "Targeted developmental overexpression of calmodulin induces proliferative and hypertropic growth of cardiomyocytes in transgenic mice," Endocrinology, 133(1):376-388, 1993.

Examiner:	M.T. DAW	Date C nsidered:	07	105-101	

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

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Foreign Patent Documents
See Page 1

Other Art See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
Di	C8	Hasegawa et al., "cis-Acting sequences that mediate induction of β-myosin heavy chain gene expression during left ventricular hypertrophy due to aortic constriction," Circulation, 96:3943-3953, 1997.
	C9	Haverich et al., "Cyclosporin A and transplant coronary disease after heart transplantation: facts and fiction," Transplant Proc., 26(5):2713-2715, 1994.
	C10	Herzig et al., "Angiotensin II type _{1a} receptor gene expression in the heart: AP-1 and GATA-4 participate in the response to pressure overload," <i>Proc. Natl. Acad. Sci. USA</i> , 94:7543-7548, 1997.
	C11	Ho et al., "NFATc3, a lymphoid-specific NFATc family member that is calcium-regulated and exhibits distinct DNA binding specificity," J. Biol. Chem., 270(34):19898-19907, 1995.
٨	C12	Hoey et al., "Isolation of two new members of the NF-AT gene family and functional characterization of the NF-AT proteins," <i>Immunity</i> , 2:461-472, 1995.
	C13	Hongo et al., "Effect of stretch on contraction and the Ca ²⁺ transient in ferret ventricular muscles during hypoxia and acidosis," Am. J. Physiol., 269:C690-C697, 1995.
	C14	Jones et al., "Murine pulmonary myocardium: developmental analysis of cardiac gene expression," Dev. Dyn., 200:117-128 1994.
	C15	Jones et al., "Ablation of the murine α myosin heavy chain gene leads to dosage effects and functional deficits in the heart," J. Clin. Invest., 98:1906-1917, 1996.
	C16	Kariya et al., "An enhancer core element mediates stimulation of the rat β -myosin heavy chain promoter by an α_1 -adrenergic agonist and activated β -protein kinase C in hypertrophy of cardiac myocytes," J. Biol. Chem., 269:3775-3782, 1994.
	C17	Karliner <i>et al.</i> , "Effects of pertussis toxin on α ₁ -agonist-mediated phosphatidylinositide turnover and myocardial cell hypertrophy in neonatal rat ventricular myocytes," <i>Experientia</i> , 46:81-84, 1990.
	C18	Karns et al., "M-CAT, CArG, and Sp1 elements are required for α ₁ -adrenergic induction of the skeletal α-actin promoter during cardiac myocyte hypertrophy," J. Biol. Chem., 270(1):410-417, 1995.
	C19	Komuro and Yazaki, "Control of cardiac gene expression by mechanical stress," Annu. Rev. Physiol., 55:55-75, 1993.

Examiner: MIT. DAW

Date C nsidered:

07/05/01

EXAMINER: initial if reference considered, wheth r or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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List of Patents and Publications for Applicant's

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Foreign Patent Documents See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
tlei	C20	Kovacic-Milivojevic <i>et al.</i> , "Selective regulation of the atrial natriuretic peptide gene by individual components of the activator protein-1 complex," <i>Endocrin</i> , 137:1108-1117, 1996.
	C21	Kudoh et al., "Angiotensin II stimulates c-Jun NH ₂ -Terminal kinase in cultured cardiac myocytes of neonatal rats," Circ. Res., 80:139-146, 1997.
	C22	LaPointe et al., "Tissue-specific expression of the human brain natriuretic peptide gene in cardiac myocytes," <i>Hypertension</i> , 27(3)Part 2:715-722, 1996.
	C23	Le Guennec et al., "Stretch-induced increase of resting intracellular calcium concentration in single guinea-pig ventricular myocytes," Exp. Physiol., 76:975-978, 1991.
	C24	Leite et al., "Regulation of ANP secretion by endothelin-1 in cultured atrial myocytes: desensitization and receptor subtype," Am. J. Physiol., 267:H2193-2203, 1994.
	C25	Lin et al., "Altered cardiac troponin T in vitro function in the presence of a mutation implicated in familial hypertrophic cardiomyopathy," J. Clin. Invest., 97:2842-2848, 1996.
	C26	Lyakh et al., "Expression of NFAT-family proteins in normal human T cells," Mol. Cell. Biol., 17(5):2475-2482, 1997.
	C27	Marban et al., "Intracellular free calcium concentration measured with ¹⁹ F NMR spectroscope in intact ferret hearts," <i>Proc. Natl. Acad. Sci. USA</i> , 84:6005-6009, 1987.
	C28	Masuda et al., "NFATx, a novel member of the nuclear factor of activated T cells family that is expressed predominantly in the thymus," Mol. Cell. Biol., 15(5):2697-2706, 1995.
	C29	McCaffrey et al., "Isolation of the cyclosporin-sensitive T cell transcription factor NFATp," Science, 262:750-754, 1993.
	C30	Molkentin and Olson, "GATA4: a novel transcriptional regulator of cardiac hypertrophy?" Circulation, 96:3833-3835, 1997.
	C31	Molkentin et al., "A calcineurin-dependent transcriptional pathway for cardiac hypertrophy," Cell, 93:1-20, 1998.
	C32	Molkentin et al., "Mutational analysis of the DNA binding, dimerization, and transcriptional activation domains of MEF2C," Mol. Cell Biol., 16(6):2627-2536, 1996.
J	C33	Molkentin et al., "Transcription factor GATA-4 regulates cardiac muscle-specific expression of the α-myosin heavy-chain gene," Mol. Cell. Biol., 14(7):4947-4957, 1994.

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Examiner:	M.T.	Davis	Date Considered:	97lostor	

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





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Foreign Patent Documents See Page 1

Other Art See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation					
Mei	C34	Morgan et al., "Biochemical mechanisms of cardiac hypertrophy," Annu. Rev. Physiol., 49:533-543, 1987.					
	C35	Northrop et al., "NF-AT components define a family of transcription factors targeted in T-cell activation," <i>Nature</i> , 369:497-502, 1994.					
	C36	O'Keefe et al., "FK-506- and CsA-sensitive activation of the interleukin-2 promoter by calcineurin," <i>Nature</i> , 357:692-694, 1992.					
	C37	Ogawa et al., "Characterization of the 5'-flanking region and chromosomal assignment of the human brain natriuretic peptide gene," J. Mol. Med., 73:457-463, 1995.					
	C38	Palmiter and Solaro, "Molecular mechanisms regulating the myofilament response to Ca ²⁺ : implications of mutations causal for familial hypertrophic cardiomyopathy," <i>Basic. Res. Cardiol.</i> , 92(Suppl. 1):63-74, 1997.					
	C39	Park et al., "Characterization of a new isoform of the NFAT (Nuclear Factor of Activated T Cells) gene family member NFATc," J. Biol. Chem., 271(34):20914-20921, 1996.					
	C40	Perreault et al., "Excitation-contraction coupling in isolated myocardium from dogs with compensated left ventricular hypertrophy," Am. J. Physiol., 266:H2436-H2442, 1994.					
	C41	Rao et al., "Transcription factors of the NFAT family: regulation and function," Annu. Rev. Immunol., 15:707-747, 1997.					
	C42	Reid and Yancoub, "Determinants of left ventricular function one year after cardiac transplantation," Br. Heart J., 59:397-402, 1988.					
	C43	Rooney et al., "A common factor regulates both Th1- and Th2-specific cytokine gene expression," EMBO J., 13:625-633, 1994.					
	C44	Sadoshima and Izumo, "The cellular and molecular response of cardiac myocytes to mechanical stress," <i>Ann. Rev. Physiol.</i> , 59:551-571, 1997.					
	C45	Sadoshima and Izumo, "Signal transduction pathways of angiotensin II-induced c-fos gene expression in cardiac myocytes in vitro: roles of phospholipid-derived second messengers," Circ. Res., 73:424-438, 1993.					
C46 Sadoshima et al., "Autocr		Sadoshima et al., "Autocrine release of angiotensin II mediates stretch-induced hypertrophy of cardiac myocytes in vitro," Cell, 75:977-984, 1993.					

Examin r:

Date Considered:

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw lin through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





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Foreign Patent Documents

Other Art See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

See Page 1

Exam. Init.	Ref. Des.	Citation
Mei	C47	Saeki et al., "Tension and intracellular calcium transients of activated ferret ventricular muscle in response to step length changes," Adv. Exp. Med. Biol., 332:639-647, 1993.
	C48	Schwartz et al., "α-Skeletal muscle actin mRNA's accumulate in hypertrophied adult rat hearts," Circ. Res. 59(5):551-555, 1986.
	C49	Schwinger et al., "Unchanged protein levels of SERCA II and phospholamban but reduced Ca ²⁺ uptake and Ca ²⁺ -ATPase activity of cardiac sarcoplasmic reticulum from dilated cardiomyopathy patients compared with patients with nonfailing hearts," <i>Circulation</i> , 92:3220-3228, 1995.
	C50	Stemmer and Klee, "Dual calcium ion regulation of calcineurin by calmodulin and calcineurin B," <i>Biochemistry</i> , 33:6859-6866, 1994.
	C51	Su et al., "Distribution and activity of calcineurin in rat tissues: evidence for post-transcriptional regulation of testis-specific calcineurin B," Eur. J. Biochem., 230:469-474, 1995.
	C52	Thuerauf and Glembotski, "Differential effects of protein kinase C, Ras, and Raf-1 kinase on the induction of the cardiac B-type natriuretic peptide gene through a critical promoter-proximal M-CAT element," J. Biol. Chem., 272(11):7464-7472, 1997.
	C53	Vikstrom and Leinwand, "Contractile protein mutations and heart disease," Curr. Opin. Cell Biol., 8:97-105, 1996.
	C54	Watkins et al., "Familial hypertrophic cardiomyopathy: a genetic model of cardiac hypertrophy," Hum. Mol. Genet., 4:1721-1727, 1995.
	C55	Wolfe et al., "Unusual Rel-like architecture in the DNA-binding domain of the transcription factor NFATc," Nature, 385:172-176, 1997.
	C56	Woods and Ellis, <i>In: Laboratory Histopathology: A Complete Reference</i> , Churchill Livingstone Publishers, New York, p 7.1-13, 1994.
	C57	Yamazaki et al., "Norepinephrine induces the raf-1 kinase/mitogen-activated protein kinase cascade through both α_1 - and β -adrenoceptors," Circulation, 95:1260-1268, 1997.
	C58	Zou et al., "Protein kinase C, but not tyrosine kinases or ras, plays a critical role in angiotensin II-induced activation of Raf-1 kinase and extracellular signal-regulated protein kinases in cardiac myocytes," J. Biol. Chem., 271(52):33592-33597, 1996.

Examiner: Dat C nsidered: 09/03/01

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw lin through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





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U.S. Patent Documents

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Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	WO96/26959	09/06/96	US			

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.		Ref. Des.	Citation				
	es	£59_	A. Haverich et al., "Cyclosporin A and transplant coronary disease after heart transplantation: facts and fiction," Transplantation Proceedings 26(5):2713-2715, 1994				
47		C60	Adrienne N. Harris et al., "A novel A/T-rich element mediates ANF Gene Expression During Cardiac Myocyte Hypertrophy," J. Mol. Cell Card. 29:515-525, 1997				
		C61	Timothy Hoey et al., "Isolation of two new members of the NF-AT gene family and functional characterization of the NF-AT proteins," <i>Immunity</i> , 2:461-472, 1995				
		C62	Sumiyo Kudoh et al., "Angiotensin II stimulates c-Jun NH2-terminal kinase in cultured cardiac myocytes of neonatal rats," Circulation Research, Vol. 80(1):139-146, 1997				
•		C63	Mokentin and Olson, "GATA4: A novel transcriptional regulator of cardiac hypertrophy?," Circulation, 96(11):3833-3835, 1997				
	-	C64	Molkentin et al., "A calcineurin-dependent transcriptional pathway for cardiac hypertrophy," Cell, 93:215 228, 1998				

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
HR3	A2	5,837,840	11/17/98	Crabtree et al.	536	23.4	9/20/93
V	A3	6,096,515	8/1/00	Crabtree et al.	435	69.1	3/9/98

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
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